



POLIOMYELITIS SURVEILLANCE REPORT

FOR ADMINISTRATIVE USE

REPORT NO. 235

AUGUST 25, 1961

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SPECIAL NOTE

This report is intended for the information and administrative use of those involved in the investigation and control of poliomyelitis and polio-like diseases. It presents a summary of provisional information reported to CDC from State Health Departments, Virology Laboratories, Epidemic Intelligence Service Officers, and other pertinent sources. Since much of the information is preliminary in nature, confirmation and final interpretation should be determined in consultation with the original investigators prior to any further use of the material.

SUMMARY

A moderate increase in total and paralytic case reports was evident during the 33rd week ending August 19, with telegraphic notification of 69 cases, 48 paralytic.

The concentration of paralytic poliomyelitis in upper New York State continues to occur in the Madison-Oneida County area and a new concentration has been recognized in Syracuse. Additional cases have been reported in Frederick County, Maryland. Narrative reports from these States are included with reports from Florida, Georgia, Louisiana, Arkansas, and Iowa.

A current summary of non-polio enterovirus surveillance is presented in Section 5.

Preliminary data on the poliomyelitis epidemic in Japan are summarized in Section 6.

1. CURRENT POLIOMYELITIS MORBIDITY TRENDS

The 33rd week of the year, ending August 19, brought notification of 69 cases of poliomyelitis, of which 48 were paralytic. These figures represent more than a 25 percent increase in total and paralytic cases over last week. Although the figures for this week are the greatest in 1961, the incidence for this week is again at an all time low in comparison to previous years (Figure 1). Similar figures for the 33rd week in 1960 showed 154 cases, 94 of which were paralytic.

Polio (Cumulated Weekly) through 33rd Week for Past Five Years

	<u>1961</u>	<u>1960</u>	<u>1959</u>	<u>1958</u>	<u>1957</u>
Paralytic	318	865	2201	835	1057
Total	486	3401	3401	1691	3248

Twenty-six of the 50 States reported poliomyelitis this week. Those with the greatest number were New York and Florida with nine cases each, and Maryland with six cases. A significant concentration has been noted in upper New York State. Cases continue in Frederick County, Maryland.

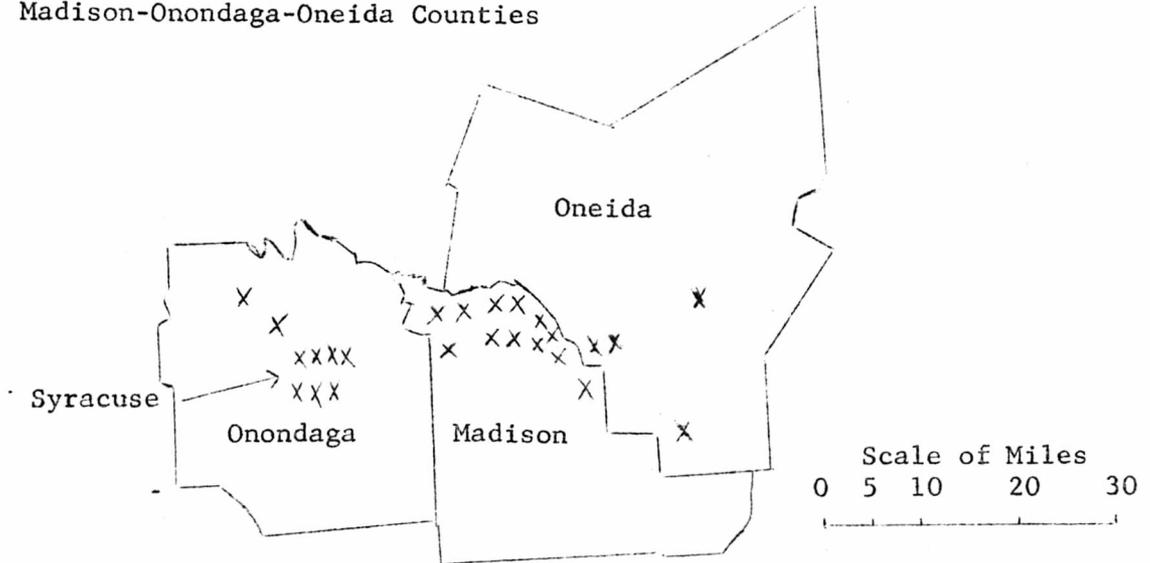
2. REPORTS

A. New York State

Upper New York State is now the scene of the most significant concentration of poliomyelitis thus far in 1961. Eight additional paralytic cases have occurred in the Madison County-Oneida County area, and a new concentration of nine paralytic cases in contiguous Onondaga

County (Syracuse) has been noted. Dr. Robert M. Albrecht, Director, Epidemiology Division, New York State Department of Health, states that there have been 25 paralytic cases from ten townships (or cities) in the three counties through August 23. The distribution of cases in the tri-county area is presented below:

Paralytic Poliomyelitis
Madison-Onondaga-Oneida Counties



In Madison County, 12 cases have occurred in the townships of Oneida, Lenox, Sullivan, and Stockbridge. In Oneida County, four cases have occurred in the townships of Vernon, Whitestown, and Sangerfield. Syracuse has accounted for seven of the nine Onondaga County cases. All but three cases have had onset since July 24, as follows:

Week Ending:	<u>Before July</u>	<u>7/29</u>	<u>8/5</u>	<u>8/12</u>	<u>8/19</u>	<u>8/26</u>
Madison County	1	0	4	3	4	0
Onondaga County	1	2	2	0	2	2
Oneida County	<u>1</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0</u>
TOTAL	3	2	7	4	7	2

The vaccination status of the 25 paralytic cases is shown below by county. There is a predominance of cases among pre-school children in each county. Five of the nine Onondaga cases have bulbar involvement.

County	Vaccination History					Total
	<u>0V</u>	<u>1V</u>	<u>2V</u>	<u>3V</u>	<u>4+V</u>	
Madison	4	1	3	4	0	12
Onondaga	3	0	0	4	2	9
Oneida	<u>2</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>4</u>
TOTAL	9	1	4	8	3	25

Immunization is being stepped up in Syracuse and is continuing in Madison County. Virologic studies are underway. Additional information will appear in the next PSU Report.

B. Maryland

Dr. John H. Janney, Epidemiologist, Maryland State Department of Health, reports two more cases of paralytic poliomyelitis from Frederick County. This brings the 1961 total in Frederick County to 13 paralytic cases through August 22. The last case had onset on August 11. The cases have occurred as follows:

WEEK ENDING:	<u>7/1</u>	<u>7/8</u>	<u>7/15</u>	<u>7/22</u>	<u>7/29</u>	<u>8/5</u>	<u>8/12</u>
PARALYTIC CASES:	3	0	3	1	1	3	2

The outbreak, due to type 3 poliovirus, continues to involve predominantly school-age children (9 out of 13). All but two cases have spinal involvement. The cases are summarized below:

<u>Initials</u>	<u>Onset Date</u>	<u>Age</u>	<u>Race</u>	<u>Sex</u>	<u>Vaccine Status</u>	<u>Type</u>	<u>Lab Results</u>
C.P.	6-30	5	W	M	0	Spinal	Type 3
R.W.	6-30	1	W	M	0	Spinal	Type 3
K.R.	7-1	6	W	M	0	Spinal	Type 3
L.H.	7-10	9	N	F	3	Spinal	
R.C.	7-14	1	W	M	0	Spinal	Type 3
K.J.	7-15	10	W	F	0	Spinal	Type 3
D.O.	7-22	1 mo.	W	M	0	Spinal	Type 3
G.B.	7-29	12	N	M	4	Spinal	Type 3
D.H.	7-30	14	W	M	0	Spinal	
D.W.	8-1	12	W	M	0	Spinal	
D.F.	8-4	1	W	F	2	Bulbar	Type 3
G.W.	8-8	10	W	M	4	Bulbo-spinal	
C.H.	8-11	14	W	F	0	Spinal	

C. Florida

Eight of the nine cases reported by Florida this week are the cases from Gadsden County included in last week's PSU Report No. 234 (August 18, 1961). Dr. James O. Bond, Epidemiologist, Florida State Board of Health, reports that no additional cases have occurred through August 22; the last case had onset on August 2.

Of the eight Gadsden County cases, seven were paralytic, unvaccinated pre-school age Negro children living in rural areas. A type 1 poliovirus has been isolated from the initial case (with bulbar involvement) on July 6.

D. Georgia

The three cases reported this week are all from different counties. Included in the telegraphic report is a case from Fulton County (Atlanta). This case was described in last week's PSU Report. According to Dr. W. J. Murphy, Epidemiologist, Georgia State Department of Health, the Fulton County total stands at 12 cases, 11 paralytic.

The following line listing is a summary of all cases in the Atlanta area reported to date. All are from Fulton County.

<u>Age</u>	<u>Race</u>	<u>Sex</u>	<u>Onset Date</u>	<u>Paralytic Status</u>	<u>Vaccination History</u>		<u>Laboratory Results</u>
					<u>Salk</u>	<u>Sabin</u>	
26	W	M	3-23	P	0V	None	Type 3 titer rise
3	N	F	5-6	P	2V	None	Type 3 titer rise
3	N	F	5-27	P	0V	None	Type 3 poliovirus
2	N	F	6-12	P	0V	None	Type 3 poliovirus
7 mos.	W	M	6-25	P	1V	None	
5	N	M	6-26	P	1V	6-23	Type 3 poliovirus*
1½	W	M	6-30	P	1V	6-24	Type 3 poliovirus*
7 mos.	N	M	7-13	NP	?V	None	Type 3 poliovirus
2½	W	M	7-14	P	0V	None	Type 3 poliovirus
3	W	F	7-20	P	0V	None	
2	N	F	7-23	P	0V	None	
21	W	M	7-26	P	0V	None	

* The significance of these isolates is unclear since the patients had received oral poliovaccine within six days prior to laboratory study.

A mass community-wide immunization campaign was conducted from 6-22 to 6-30; nearly 300,000 doses of type 3 oral poliovaccine were fed to children under 15 years of age. Since that time five cases have occurred, four paralytic. None of the four paralytic cases had received the killed-virus vaccine or oral vaccine.

E. Louisiana

Of the three paralytic cases reported from Louisiana during the current week, one is from New Orleans. This is the seventh case (six paralytic) with 1961 onset to occur in this city (See PSU Report 234). This case is an unvaccinated ten-month old female with onset on July 18. Type 1 poliovirus has been isolated.

Thus far in 1961, five of the six paralytic cases were unvaccinated; the other had only one dose of vaccine. Type 1 poliovirus has been isolated from five cases; the other yielded a type 3 poliovirus. The first case, which occurred in April, had minor involvement at sixty days following onset, and two of the June cases have had a complete recovery.

F. Arkansas

The three cases reported this week are all paralytic and from two contiguous counties in north central Arkansas. According to Dr. J. T. Herron, State Health Officer, two cases are from Russellville in Pope County (pop. 18,000), and one from Conway County (pop. 14,500). All had onsets in early August as shown on the following page.

<u>Age</u>	<u>Sex</u>	<u>Race</u>	<u>Onset Date</u>	<u>Vaccination History</u>
5	W	M	8-3	4V
17	W	F	8-8	0V
25	W	F	8-9	3V

Two patients had received at least the three-injection series of Salk vaccine; one was unvaccinated. Laboratory investigation of these cases is in progress.

This brings the Arkansas total in 1961 to date to six cases of poliomyelitis, four paralytic. Aside from the suggestive case-cluster reported this week, no concentrations have been noted.

G. Iowa

The eight cases of poliomyelitis from this State during the past four weeks have occurred in seven different communities. Of the eight cases, four have been paralytic. The only community to account for two cases is Burlington (Des Moines Co.) where one case was noted in late July and the other in early August. The four cases from the State this week were from communities other than Burlington. Type identification has not been accomplished.

3. 1961 POLIOMYELITIS CASES REPORTED TO PSU

Through August 19, there have been 291 cases of poliomyelitis with onset in 1961 submitted to the Poliomyelitis Surveillance Unit on individual case forms. Of these 291 cases, 223 are paralytic, 61 non-paralytic and 7 unspecified as to paralytic status.

These cases are presented in Table 3 by paralytic status, age group and vaccination history.

TABLE 3

POLIOMYELITIS CASES BY PARALYTIC STATUS, AGE GROUP
AND VACCINATION STATUS REPORTED ON PSU FORMS
(Through August 19, 1961)

Age Group	Paralytic						Tot
	Doses of Vaccine						
	0	1	2	3	4+	Unk	
0-4	62	10	13	9	9	2	105
5-9	14	4	2	9	12	2	43
10-14	6	0	1	8	9	0	24
15-19	5	0	2	3	1	1	12
20-29	13	0	1	1	0	1	16
30-39	9	2	1	0	0	1	13
40+	8	0	0	0	0	2	10
Total	117	16	20	30	31	9	223

PERCENT DOSES	54.7	7.5	9.3	14.0	14.5	-	100.0
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Age Group	Nonparalytic						Tot
	Doses of Vaccine						
	0	1	2	3	4+	Unk	
0-4	7	0	2	4	1	1	15
5-9	3	0	1	4	6	1	15
10-14	0	2	1	4	5	0	12
15-19	1	0	1	1	1	0	4
20-29	2	0	0	4	2	2	10
30-39	3	0	0	0	0	0	3
40+	0	0	0	0	2	0	2
Total	16	2	5	17	17	4	61

PERCENT DOSES	28.1	3.5	8.8	29.8	29.8	-	100.0
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4. ROUTINE POLIOMYELITIS SURVEILLANCE

A. Cases with Onset Within 30 Days of Vaccination

No additional cases of poliomyelitis within thirty days of vaccination have been reported to the Poliomyelitis Surveillance Unit during the past week ending August 19. Thus, the 1961 total remains at 8 cases, of which 7 are paralytic (one correlated).

5. NON-POLIO ENTEROVIRUS SURVEILLANCE

A total of 248 ECHO and Coxsackie isolates from 1961 specimens has been reported to the Poliomyelitis Surveillance Unit. Of these, 38 are ECHO, and 210 Coxsackie viruses. Coxsackie B-5, and B-2 together account for 64 percent of all isolates reported.

The Rhode Island outbreak of aseptic meningitis due to Coxsackie B-5 continues. Nearly 50 cases with a similar clinical picture have been hospitalized through August 24. The syndrome is being recognized now in all parts of the State, but the majority of patients are from the Woonsocket and Narragansett Bay Areas.

Coxsackie B-5 virus has also been isolated from 2 patients in an outbreak of febrile illness in Hartford, Connecticut. Associated clinical features have been severe frontal headache, abdominal pain, sore throat, and in some instances nuchal rigidity. According to Dr. J. C. Hart and Dr. Mila Rindge, Connecticut State Department of Health, a neighborhood concentration involving 10 children in 5 families was noted in early July, and now cases have been recognized in widely scattered areas of the city. At least 30 cases have occurred, and 5 have been hospitalized. More adults are now being involved, some severely. Laboratory investigations of hospitalized patients are in progress.

A follow-up report of the outbreak of febrile illness in King George County, Virginia, has also been received. Cmdr. B. F. Gundelfinger, Acting Director, Preventive Medicine Division, U. S. Navy, reports that eight patients were observed with epidemic pleurodynia between mid-May and late June. The clinical findings included fever, pleuritic chest pain, and pleural friction rub in some cases. Four cases demonstrated Roentgenographic evidence of pleural effusion.

A summary of all non-polio enterovirus isolations is shown in the following table.

TABLE 5

Non-Polio Enterovirus Isolations from 1961 Specimens

State	ECHO*	Coxsackie				Other and Unsp.	Total	Reported by
		B-2	B-4	B-5				
Alabama	1	-	-	2	3	6	W. Smith & T. Hosty	
California	1	-	-	-	1	2	E. Lennette	
Colorado	3	-	-	1	-	4	C. Mollohan	
Connecticut	1	-	15	2	-	18	G. D. Hsiung & J. Hart	
D. C.	-	-	-	-	1	1	W. Wooldridge	
Florida	1	-	-	-	-	1	J. Bond	
Georgia	-	-	4	-	-	4	W. Murphy	
Hawaii	1	-	-	-	5	6	K. Wilcox	
Illinois	1	-	-	9	4	14	H. Shaughnessy	
Kansas	2	-	-	3	-	5	C. Hunter	
Kentucky	1	-	-	-	-	1	CDC Virus Reference Unit	
Louisiana	1	-	2	-	-	3	J. Bruce & G. Hauser	
Maryland	2	-	-	7	-	9	C. Perry & C. Silverman	
Mass.	-	-	-	5	-	5	R. MacCready & T. Chang	
Minn.	3	-	1	6	-	10	H. Bauer	
Miss.	-	-	-	-	1	1	CDC Virus Reference Unit	
Montana	-	-	-	1	-	1	M. Soules	
N. H.	-	1	-	-	-	1	R. Miliner	
N. J.	1	-	-	4	-	5	M. Goldfield & W. Dougherty	
N. Y.	-	-	-	-	1	1	R. Albrecht	
N. C.	1	-	-	-	1	2	L. Maddry	
Ohio	1	-	1	3	4	9	L. Ey	
Oklahoma	-	-	-	1	-	1	F. Hassler	
Oregon	-	-	-	3	-	3	G. Brandon & M. Skinner	
Pa.	-	-	1	10	-	11	K. Hummeler & I. Gratch	
R. I.	-	-	-	6	-	6	CDC Virus Reference Unit	
S. C.	-	-	1	-	-	1	G. McDaniel	
Tenn.	-	1	3	1	-	5	G. Cameron & C. Tucker	
Texas	13	3	-	1	1	18	G. Irons	
Utah	-	1	-	5	-	6	R. Fraser & A. Jenkins	
Virginia	-	-	-	26	-	26	W. Skinner	
Wash.	-	50	-	6	-	56	K. Berquist & W. Giedt	
Wisconsin	4	-	-	1	1	6	A. Evans	
TOTAL	38	56	28	103	23	248		

*Specific types include twelve ECHO 9 in Texas, one in New Jersey, and one in Louisiana; three ECHO 19 in Colorado and one in Kansas; other types include ECHO 1, 4, 6, 7, 8, 14, 15, and 19.

6. EPIDEMIC POLIOMYELITIS IN JAPAN

A preliminary report of the current epidemic of poliomyelitis in Japan has been received from Dr. Shinichi Matsuda, Chief, Department of Epidemiology, Institute of Public Health.

Through July 7, a total of 1,418 cases and 94 fatalities had been reported to the Ministry of Health and Welfare. These are compared in the table below with similar figures in recent years. It is evident that while the case fatality ratio declined remarkably during the past three years, epidemic poliomyelitis has continued to be a major problem.

Poliomyelitis in Japan
Cumulated Weekly for the Past Five Years

	1961 (through July 7)	1960 (through July 9)	1959 (through July 11)	1958 (through July 12)	1957 (through July 13)
Cases	1,418	1,502	758	1,095	422
Deaths	94	99	110	157	187

An analysis of incidence through July 7 by District is presented in the table below. The Districts are arranged geographically with Hokkaido, the northernmost, first, and Kyushu, the southernmost, last. Kyushu has been hardest hit this year, accounting for 661 cases and 29 deaths. This is in contrast to the epidemic experience last year when Hokkaido in the north was most severely involved (See PSU Report No. 220). This year, Hokkaido has contributed 49 cases to the cumulative total, a relatively small figure.

Poliomyelitis in Japan

District	Through July 7, 1961		Through July 9, 1960
	Cases	Rate (per 100,000)	Cases
I Hokkaido	49	1.9	136
II Tohoku	91	1.6	124
III Kanto	160	2.4	87
IV Tokyo	118	2.4	119
V Hokuriku	18	0.7	118
VI Chuhu	36	2.0	75
VII Tokai	76	2.2	207
VIII Kinki	92	0.9	136
IX Chugoku	93	2.5	135
X Shikoku	21	1.0	113
XI Kyushu	661	6.4	225
TOTAL	1,418		1,502

Type I poliovirus is the predominant type isolated from cases so far. On July 20, a nationwide immunization campaign was initiated

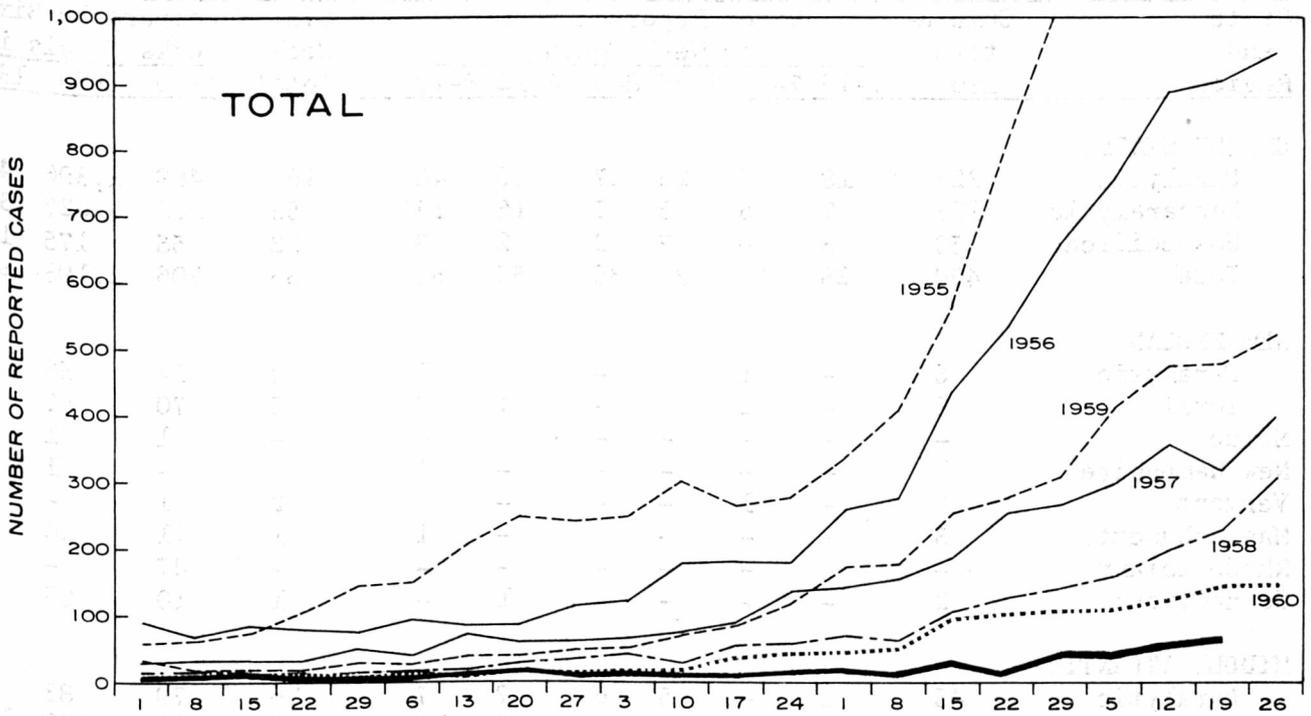
utilizing 10 million doses of trivalent oral poliovaccine imported from the USSR and 3 million doses of killed-virus vaccine imported from Canada. The targets of this program are all children under 10 years of age. Wide participation is hoped for in 790 health centers, 1,049 villages, 1,922 towns, and 556 cities. Progress reports of the immunization campaign and its effect on this severe epidemic will be included in forthcoming PSU reports.

(This surveillance report was prepared by the Poliomyelitis and Polio-like Diseases Surveillance Unit, Michael J. Regan, M.D., Chief, James A. Bryan, II, M.D., and Mr. Leo Morris, Statistician, with the assistance of Statistics Section, CDC.)

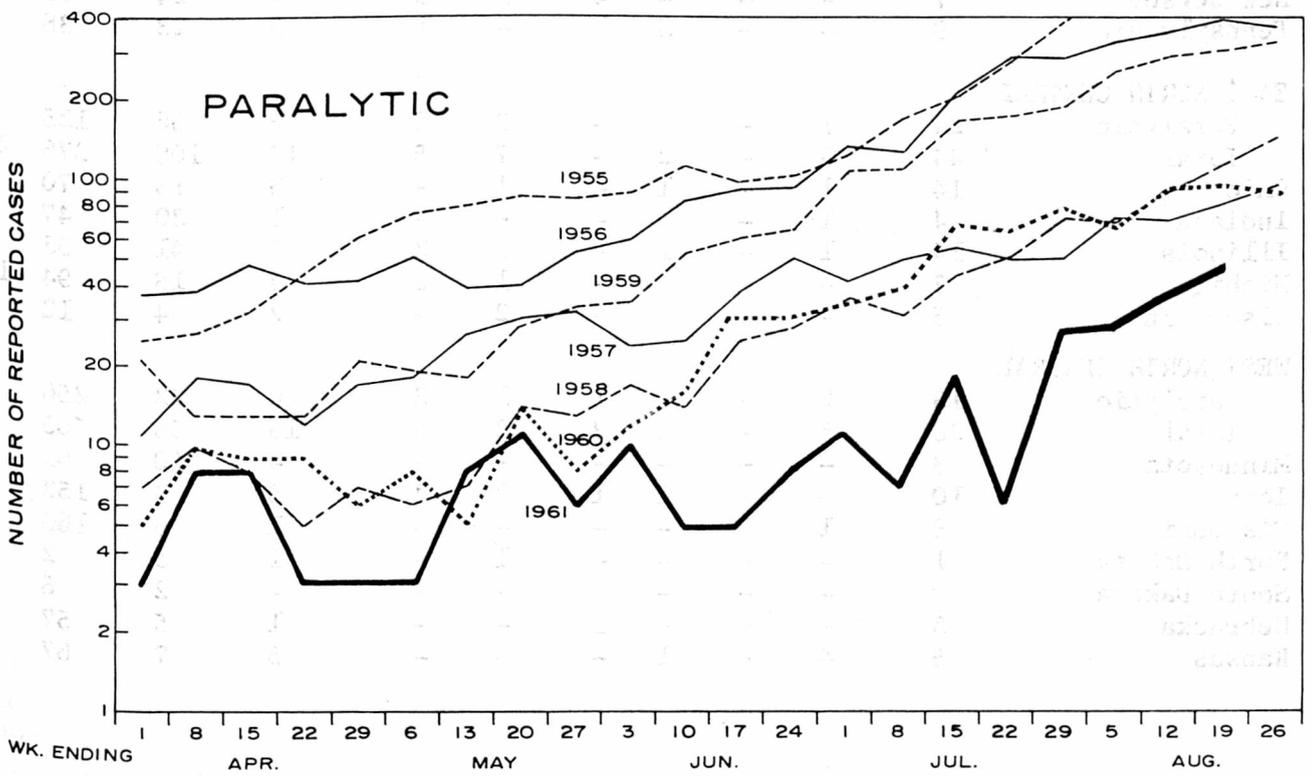
Figure 1

CURRENT U.S. POLIO INCIDENCE
 COMPARED WITH YEARS 1955-1960; APRIL-AUGUST, BY WEEK

PROVISIONAL DATA SUPPLIED BY NATIONAL OFFICE OF VITAL STATISTICS
 AND COMMUNICABLE DISEASE CENTER



Wk. No. | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |



Wk. ENDING | APR. | MAY | JUN. | JUL. | AUG. |

Table 1

TREND OF 1961 POLIOMYELITIS INCIDENCE

State and Region	Cumulative 1961	Cases Reported to CDC For Week Ending						Six Week Total	Comparable Six Weeks Totals in		
		7-15	7-22	7-29	8-5	8-12	8-19		1960	1959	1958
UNITED STATES											
Paralytic	323	18	6	26	27	36	48	161	489	1,396	467
Nonparalytic	108	7	5	5	7	16	13	53	162	627	360
Unspecified	59	3	-	7	2	2	8	22	55	175	154
Total	490	28	11	38	36	54	69	236	706	2,198	981
NEW ENGLAND											
Paralytic	6	-	1	-	-	1	1	3	54	56	10
Total	8	-	1	-	-	1	3	5	70	87	18
Maine	-	-	-	-	-	-	-	-	1	1	-
New Hampshire	1	-	-	-	-	-	1	1	-	1	1
Vermont	2	-	1	-	-	-	1	2	1	-	1
Massachusetts	3	-	-	-	-	-	1	1	11	20	3
Rhode Island	-	-	-	-	-	-	-	-	47	-	2
Connecticut	2	-	-	-	-	1	-	1	10	65	11
MIDDLE ATLANTIC											
Paralytic	45	1	-	5	6	7	7	26	79	83	72
Total	53	1	-	5	6	7	12	31	99	140	125
New York	27	1	-	2	1	6	9	19	52	80	52
New Jersey	17	-	-	-	4	1	2	7	24	22	57
Pennsylvania	9	-	-	3	1	-	1	5	23	38	16
EAST NORTH CENTRAL											
Paralytic	24	1	-	-	-	3	2	6	66	125	86
Total	44	3	-	2	-	7	5	17	108	276	215
Ohio	14	1	-	1	-	1	-	3	15	70	47
Indiana	4	1	-	-	-	-	-	1	30	47	14
Illinois	14	1	-	1	-	3	2	7	41	53	26
Michigan	7	-	-	-	-	1	3	4	18	94	117
Wisconsin	5	-	-	-	-	2	-	2	4	12	11
WEST NORTH CENTRAL											
Paralytic	13	2	-	-	1	1	2	6	22	256	21
Total	30	5	-	2	2	3	4	16	38	505	51
Minnesota	3	-	-	-	-	-	-	-	10	61	4
Iowa	10	-	-	1	1	2	4	8	3	152	13
Missouri	8	1	-	-	-	-	-	1	6	160	15
North Dakota	1	-	-	-	-	1	-	1	5	2	5
South Dakota	-	-	-	-	-	-	-	-	2	6	2
Nebraska	3	-	-	-	1	-	-	1	5	57	2
Kansas	5	4	-	1	-	-	-	5	7	67	10

Table 1 (Continued)

State and Region	Cumulative 1961	Cases Reported to CDC For Week Ending						Six Week Total	Comparable Six Weeks Totals in		
		7-15	7-22	7-29	8-5	8-12	8-19		1960	1959	1958
SOUTH ATLANTIC											
Paralytic	83	6	-	7	9	14	21	57	83	240	79
Total	107	7	1	10	10	17	23	68	128	310	195
Delaware	2	-	-	-	-	-	-	-	-	1	8
Maryland	17	2	-	3	2	3	6	16	6	7	3
D. C.	1	-	-	-	1	-	-	1	-	3	4
Virginia	8	-	-	-	1	4	2	7	7	82	34
West Virginia	11	2	-	-	-	4	-	6	9	30	28
North Carolina	8	-	1	2	-	-	1	4	20	80	30
South Carolina	10	-	-	-	3	1	2	6	72	18	5
Georgia	25	2	-	1	2	3	3	11	2	49	4
Florida	25	1	-	4	1	2	9	17	12	40	79
EAST SOUTH CENTRAL											
Paralytic	21	3	-	4	2	-	3	12	31	205	25
Total	40	3	-	4	3	-	4	14	47	254	87
Kentucky	18	-	-	2	-	-	-	2	14	15	3
Tennessee	10	-	-	1	2	-	2	5	9	106	29
Alabama	6	3	-	1	-	-	1	5	7	111	14
Mississippi	6	-	-	-	1	-	1	2	17	22	41
WEST SOUTH CENTRAL											
Paralytic	44	2	2	3	1	4	8	20	49	255	97
Total	84	6	5	6	5	10	12	44	85	397	163
Arkansas	6	-	1	-	1	-	3	5	9	97	4
Louisiana	25	2	-	2	-	7	3	14	16	40	15
Oklahoma	3	1	-	1	-	-	1	3	5	65	21
Texas	50	3	4	3	4	3	5	22	55	195	123
MOUNTAIN											
Paralytic	22	-	1	2	3	1	2	9	6	21	16
Total	37	-	2	3	5	3	2	15	16	44	47
Montana	3	-	-	-	1	-	-	1	3	4	28
Idaho	12	-	1	2	2	2	1	8	1	2	4
Wyoming	-	-	-	-	-	-	-	-	6	-	-
Colorado	5	-	-	-	-	1	1	2	3	5	3
New Mexico	3	-	1	1	-	-	-	2	-	10	6
Arizona	7	-	-	-	2	-	-	2	1	21	3
Utah	7	-	-	-	-	-	-	-	2	-	3
Nevada	-	-	-	-	-	-	-	-	-	2	-
PACIFIC											
Paralytic	65	3	2	5	5	5	2	22	99	155	61
Total	87	3	2	6	5	6	4	26	115	185	80
Washington	15	1	-	3	-	2	-	6	9	40	5
Oregon	11	-	-	1	-	2	1	4	4	48	5
California	59	2	2	2	5	2	3	16	100	87	44
Alaska	-	-	-	-	-	-	-	-	-	10	-
Hawaii	2	-	-	-	-	-	-	-	2	-	26
TERRITORY											
Puerto Rico	5	1	-	-	-	-	-	1	97	-	8

